

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 1037 | (Lam near Research).as.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2005/09/29 19:15 |
| L2    | 819  | 1 and (chuck susceptor support holder)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2005/09/29 19:16 |
| L3    | 90   | 2 and (Cool\$3 near gas)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2005/09/29 19:16 |
| L4    | 974  | (Lam near Research near corporation).as.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2005/09/29 19:15 |
| L5    | 764  | 4 and (chuck susceptor support holder)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2005/09/29 19:16 |
| L6    | 85   | 4 and (Cool\$3 near gas)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2005/09/29 19:16 |
| L7    | 5    | 3 not 6   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2005/09/29 19:16 |
| S1    | 2    | "5609720".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/14 15:29 |
| S2    | 17   | "5609720".pn. "5715132".pn.<br>"5761023".pn. "5835334".pn.<br>"5937541".pn. "5992046".pn.<br>"6245192".pn. "6320736".pn.<br>"6373679".pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/09/28 09:30 |
| S3    | 4    | "5350479".pn. "5748435".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/10 17:57 |
| S4    | 9660 | gao.in. mcmillin.in. denty.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/10 18:08 |

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| S5  | 1114 | S4 and plasma  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 17:58 |
| S6  | 18   | S5 and (temperature near4 control)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 18:01 |
| S7  | 26   | S5 and (wafer same temperature)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 18:02 |
| S8  | 0    | (Qinghong adj gao).in. (brian adj mcmillin).in. (bill adj denty).in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 18:10 |
| S9  | 0    | (Qinghong adj gao).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 18:10 |
| S10 | 9364 | gao.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 18:10 |
| S11 | 1064 | S10 and plasma   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 18:10 |
| S12 | 989  | S11 and (wafer temperature)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 18:11 |

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|-----|--------|--|---|----|----|------------------|
| S13 | 33     | S12 and (gas near4 pressure)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 18:16 |
| S14 | 10     | denty.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 18:19 |
| S15 | 286    | mcmillin.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/10 18:20 |
| S16 | 229577 | 165/345.53.ccls. 118/724.ccls.<br>"137"/\$.ccls. 156/643.1.ccls.<br>361/234.ccls. 361/115.ccls. 361/23.<br>ccls. 279/128.ccls. 34/493.ccls.<br>34/497.ccls. 34/565.ccls. 34/92.ccls.<br>34/192.ccls. 34/210.ccls. 438/706.<br>ccls. 438/712.ccls. 438/729.ccls.<br>438/730.ccls. 438/731.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 15:31 |
| S17 | 8677   | S16 and (wafer chuck susceptor<br>pedestal cathode substrate)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 14:56 |
| S18 | 2164   | S17 and (temperature same control)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 14:57 |
| S19 | 865    | S18 and (cool\$3 same gas)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 14:58 |
| S20 | 13     | S19 and de-chuck\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 09:32 |

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| S21 | 22  | S19 and dechuck\$3          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 15:45 |
| S22 | 20  | S21 not S20                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 15:45 |
| S23 | 1   | S19 and (gas near8 dechuck) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 16:24 |
| S24 | 571 | S18 and (gas near8 cool\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 16:26 |
| S25 | 171 | S24 and (dechuck lift)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 16:27 |
| S26 | 213 | S24 and (dechuck lift\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 16:35 |
| S27 | 213 | S26 and ad<"20020621"       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 16:36 |
| S28 | 184 | S26 and @ad<"20020621"      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 18:14 |

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| S29 | 3      | S28 and bleed  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/11 18:14 |
| S30 | 229577 | 165/345.53.ccls. 118/724.ccls.<br>"137"/\$.ccls. 156/643.1.ccls.<br>361/234.ccls. 361/115.ccls. 361/23.<br>ccls. 279/128.ccls. 34/493.ccls.<br>34/497.ccls. 34/565.ccls. 34/92.ccls.<br>34/192.ccls. 34/210.ccls. 438/706.<br>ccls. 438/712.ccls. 438/729.ccls.<br>438/730.ccls. 438/731.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 09:33 |
| S31 | 8677   | S30 and (wafer chuck susceptor<br>pedestal cathode substrate)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 10:09 |
| S32 | 2164   | S31 and (temperature same control)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 09:33 |
| S33 | 865    | S32 and (cool\$3 same gas)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 09:33 |
| S34 | 8      | S33 and (gas near5 bleed)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 09:53 |
| S35 | 3      | S33 and ((cool\$3 adj gas) near7<br>(bleed purge))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 09:50 |
| S36 | 69     | S33 and (gas same (bleed purge))<br>and throughput   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 09:55 |

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| S37 | 764    | S30 and cool\$3 near (wafer chuck susceptor pedestal cathode substrate)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 10:09 |
| S38 | 164993 | S37 and Throughput and gas (purge bleed)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 12:02 |
| S39 | 228    | S37 and Throughput   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 10:13 |
| S40 | 39     | S39 and gas near7 (bleed purge)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 10:18 |
| S41 | 344    | S32 and (gas near8 distribution)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 10:20 |
| S42 | 79     | S41 and gas near8 (bleed purge)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 11:40 |
| S43 | 10     | ("5203958"   "5458687"   "5673750"   "5904776"   "5981913"   "6012509"   "6033478").PN. OR ("6254683").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/06/13 11:50 |
| S44 | 362    | S37 and (Helium or (heat adj transfer adj gas))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 12:24 |
| S45 | 59     | S44 and (bleed bypass purge)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 13:49 |

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| S46 | 82     | S37 and (Helium or (heat adj transfer adj gas)) and (gas adj (distribution delivery))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 12:26 |
| S47 | 0      | S46 not S44  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 12:27 |
| S48 | 76     | S46 and @ad<"20020621"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 12:27 |
| S49 | 2      | "5320982".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 13:18 |
| S50 | 234244 | 165/345.ccls. 118/724.ccls.<br>"137"/\$.ccls. 156/643.1.ccls.<br>361/234.ccls. 361/115.ccls. 361/23.<br>ccls. 279/128.ccls. 34/493.ccls.<br>34/497.ccls. 34/565.ccls. 34/92.ccls.<br>34/192.ccls. 34/210.ccls. 438/706.<br>ccls. 438/712.ccls. 438/729.ccls.<br>438/730.ccls. 438/731.ccls.<br>118/715.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 15:32 |
| S51 | 11983  | S50 and (orifice same control\$3 same flow)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 15:35 |
| S52 | 138    | S51 and plasma   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 17:18 |
| S53 | 4459   | S50 and plasma   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 15:36 |

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| S54 | 1079    | S53 and (Helium or (heat adj transfer adj gas))       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 15:37 |
| S55 | 39      | S54 and (orifice same flow same control\$3)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 16:25 |
| S56 | 241     | S54 and Helium same (orifice or flow same control\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 16:54 |
| S57 | 236     | S56 and chamber                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 16:28 |
| S58 | 1774547 | S57 and helium (bleed exhaust vacuum)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 16:27 |
| S59 | 191     | S57 and @ad<"20020621"                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 16:28 |
| S60 | 23      | S54 and Helium same orifice                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 16:55 |



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| S61 | 46     | ("4565601"   "4567938"   "4703153"   "4778559"   "4793975"   "4797009"   "4842683"   "5231690"   "5252807"   "5280156"   "5306895"   "5343938"   "5350720"   "5431421"   "5482558"   "5516367"   "5520742"   "5522934"   "5536322"   "5556474"   "5558717"   "5589224"   "5633073"   "5656093"   "5688331"   "5705080"   "5720818"   "5730803"   "5766363"   "5775416"   "5796074"   "5800618"   "5846332"   "5935334"   "5968379"   "5994678").PN. OR ("6189482").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/06/13 17:03 |
| S62 | 3530   | S51 and (dechuck\$3 or remov\$3 or lift\$3 or releas\$3 or declamp\$3) same Flow same (increas\$3 or Rais\$3 or Ris\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 17:20 |
| S63 | 31     | S62 and plasma   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/13 17:45 |
| S64 | 917410 | H01L021/\$.ipc. c23C016/\$.ipc. H01T023/\$.ipc. C23F001/\$.ipc. H01H023/\$.ipc. G05D011/\$.ipc. H05H001/\$.ipc.  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/14 09:11 |
| S65 | 74397  | S64 and plasma   | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/13 17:54 |
| S66 | 18     | S65 and (orifice same control\$3 same flow)  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/13 18:39 |
| S67 | 0      | S65 and (helium or (heat adj transfer adj gas)) and (orifice same control\$3 same flow)  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/13 18:02 |
| S68 | 771    | S65 and (helium or (heat adj transfer adj gas))  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/13 18:02 |
| S69 | 0      | S68 and (orifice same control\$3 same flow)  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/13 18:03 |
| S70 | 1      | S68 and orifice  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/13 18:03 |
| S71 | 0      | S65 and (helium same orifice)  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/13 18:06 |
| S72 | 379    | S65 and orifice  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/13 18:06 |
| S73 | 286    | S72 and gas  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/13 18:32 |

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| S74 | 0      | S72 and (heat adj transfer adj gas)   | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:07 |
| S75 | 9      | S72 and (Helium or (cool\$3 near gas))  | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:34 |
| S76 | 0      | S72 and (dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) same (Flow same chang\$3)                | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:37 |
| S77 | 21     | S72 and (dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3)  | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:37 |
| S78 | 10     | S65 and (dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) same (Flow same change)                  | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:41 |
| S79 | 11763  | S65 and (wafer (dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) same (Flow same change))          | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:41 |
| S80 | 441    | S79 and controller  | EPO; JPO; DERWENT | OR | ON | 2005/06/14 16:21 |
| S81 | 14     | S80 and (He Helium)   | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:47 |
| S82 | 0      | S79 and (controller same helium same He)  | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:53 |
| S83 | 34     | S79 and (controller same Pressure same Flow)  | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:54 |
| S84 | 917410 | H01L021/\$.ipc. c23C016/\$.ipc. H01T023/\$.ipc. C23F001/\$.ipc. H01H023/\$.ipc. G05D011/\$.ipc. H05H001/\$.ipc. | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:12 |
| S85 | 165    | S84 and (cool\$3 same he)   | EPO; JPO; DERWENT | OR | ON | 2005/06/14 10:01 |
| S86 | 50     | S85 and plasma  | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:59 |
| S87 | 7      | S86 and (orifice aperture hole)   | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:59 |
| S88 | 2      | S85 and (orifice aperture)  | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:20 |
| S89 | 0      | S86 and (orifice aperture)  | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:59 |
| S90 | 2      | S85 and (aperture orifice)  | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:59 |
| S91 | 20     | S84 and (he same cool\$3) and (orifice aperture hole)   | EPO; JPO; DERWENT | OR | ON | 2005/06/14 12:36 |
| S92 | 1      | "6015595".pn.   | EPO; JPO; DERWENT | OR | ON | 2005/06/14 12:37 |

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| S93      | 2      | "6015595".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT             | OR | ON | 2005/06/14 12:37 |
| S94      | 229604 | 165/345.53.ccls. 118/724.ccls.<br>"137"/\$.ccls. 156/643.1.ccls.<br>361/234.ccls. 361/115.ccls. 361/23.<br>ccls. 279/128.ccls. 34/493.ccls.<br>34/497.ccls. 34/565.ccls. 34/92.ccls.<br>34/192.ccls. 34/210.ccls. 438/706.<br>ccls. 438/712.ccls. 438/729.ccls.<br>438/730.ccls. 438/731.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 13:50 |
| S95      | 765    | S94 and cool\$3 near (wafer chuck<br>susceptor pedestal cathode<br>substrate)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 13:50 |
| S96      | 362    | S95 and (Helium or (heat adj<br>transfer adj gas))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 13:50 |
| S97      | 59     | S96 and (bleed bypass purge)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 13:50 |
| S98      | 57     | S97 and @ad<"20040621"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 15:40 |
| S99      | 2      | "6254683".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 15:29 |
| S10<br>0 | 25     | S98 and throughput   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 15:40 |
| S10<br>1 | 74397  | S84 and plasma   | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/14 16:22 |

|          |         |   |   |    |    |                  |
|----------|---------|---|---|----|----|------------------|
| S10<br>2 | 11763   | S101 and (wafer (dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) same (Flow same change)) | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/14 19:32 |
| S10<br>3 | 6       | S102 and (controller and Helium)  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/14 16:22 |
| S10<br>4 | 10      | S101 and ((dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) same (Flow same change))       | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/14 16:25 |
| S10<br>5 | 0       | S101 and (throughput and evacuation and exhaust)  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/14 19:33 |
| S10<br>6 | 814     | S101 and throughput   | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/14 19:33 |
| S10<br>7 | 18      | S106 and (helium or He)   | EPO; JPO;<br>DERWENT  | OR | ON | 2005/06/14 19:33 |
| S10<br>8 | 158     | 156/345.53.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 09:32 |
| S10<br>9 | 3       | S108 and (bleed\$3 bled)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 09:35 |
| S11<br>0 | 72      | S108 and (bleed\$3 bled leak\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 09:58 |
| S11<br>1 | 86      | S108 not S110   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:21 |
| S11<br>2 | 261807  | "118"/\$.ccls. 156/345.\$2.ccls.<br>"438"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:22 |
| S11<br>3 | 4531588 | (susceptor support chuck holder)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:23 |

|          |        |  |   |    |    |                  |
|----------|--------|--|---|----|----|------------------|
| S11<br>4 | 507240 | S113 and cool\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:32 |
| S11<br>5 | 16798  | S112 and S114  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:26 |
| S11<br>6 | 14982  | S115 and (multiple multi plural\$4<br>different)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:28 |
| S11<br>7 | 7248   | S115 and ((multiple multi plural\$4<br>different) same (gas feed bleed)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:34 |
| S11<br>8 | 4061   | S117 and plasma  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:29 |
| S11<br>9 | 36634  | S113 near5 cool\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:33 |
| S12<br>0 | 2563   | S112 and S119  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:33 |
| S12<br>1 | 1415   | S120 and ((multiple multi plural\$4<br>different) same (gas feed bleed)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:36 |

|          |        |  |   |    |    |                  |
|----------|--------|--|---|----|----|------------------|
| S12<br>2 | 1045   | S121 and plasma  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:34 |
| S12<br>3 | 741    | S120 and ((multiple multi plural\$4<br>different) near4 (gas feed bleed))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 10:50 |
| S12<br>4 | 70     | S120 and ((multiple multi plural\$4<br>different) near4 (cool\$3 near4 gas))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 13:14 |
| S12<br>5 | 10     | ("4565601"   "4949783"   "5267607"<br>  "5320982"   "5622593"  <br>"5676205"   "5990016"   "6140612"<br>  "6174408").PN. OR ("6635580").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/09/28 10:59 |
| S12<br>6 | 4      | "6899787".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/28 13:14 |
| S12<br>7 | 17     | ("4432635"   "4999320"   "5267607"<br>  "5350479"   "5376213"  <br>"5530616"   "5542559"   "5547539"<br>  "5583736"   "5609720"  <br>"5667622"   "5671116"   "5748435"<br>  "5883778"   "5885469"  <br>"5903428").PN. OR ("6320736").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/09/29 08:43 |
| S12<br>8 | 14151  | ((bypass\$3 bleed\$3 evacuat\$4<br>exhaust\$4) same (plural multiple<br>multi))  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/09/29 10:39 |
| S12<br>9 | 219    | S128 and (cool\$3 near2 gas)   | EPO; JPO;<br>DERWENT  | OR | ON | 2005/09/29 10:40 |
| S13<br>0 | 2      | S129 and plasma  | EPO; JPO;<br>DERWENT  | OR | ON | 2005/09/29 10:41 |
| S13<br>1 | 193489 | plasma   | EPO; JPO;<br>DERWENT  | OR | ON | 2005/09/29 10:42 |
| S13<br>2 | 13984  | S131 and (susceptor support chuck<br>holder)   | EPO; JPO;<br>DERWENT  | OR | ON | 2005/09/29 10:46 |
| S13<br>3 | 147    | S132 and (gas near2 cool\$3)   | EPO; JPO;<br>DERWENT  | OR | ON | 2005/09/29 10:46 |